ELSEVIER

Journal of Non-Crystalline Solids 209 (1997) 309–310

JOURNAL OF NON-CRYSTALLINE SOLIDS

Author index

Abe, Y., M. Nogami and M. Maeda, Mobile hydrogen ion in glass to enable pH-measurement 209 (1997) 204
Agarwal, A. and M. Tomozawa, Correlation of silica glass properties with the infrared spectra 209 (1997) 166
Agarwal, A. and M. Tomozawa, Surface and bulk structural relaxation kinetics of silica glass 209 (1997) 264
Angell, C.A., see Boussard-Plédel, C. 209 (1997) 247
Annen, A., R. Beckmann and W. Jacob, Deposition and characterization of dense and stable amorphous hydrogenated boron films at low substrate temperatures 209 (1997) 240

Bach, H., Advanced surface analysis of silicate glasses, oxides and other insulating materials: a review 209 (1997) 1
Beckmann, R., see Annen, A. 209 (1997) 240
Bellido, F., see Zotov, N. 209 (1997) 149
Bobe, J.M., J.M. Reau, J. Senegas and M. Poulain, Ion conductivity and diffusion in ZrF_4-based fluoride glasses containing LiF ($0 \leq x_{LiF} \leq 0.60$) 209 (1997) 122
Boussard-Plédel, C., M. Le Floch, G. Fonteneau, J. Lucas, S. Sinbandhit, J. Shao, C.A. Angell, J. Emery and J.Y. Buzaré, The structure of a boron oxyfluoride glass, an inorganic cross-linked chain polymer 209 (1997) 247
Brückner, R. and J. Deubener, Description and interpretation of the two phase flow behaviour of melts with suspended crystals 209 (1997) 283
Brückner, R., see Deubener, J. 209 (1997) 96
Burkhard, D.J.M. and G. Nachtegaal, Nucleation and growth behavior of lithium disilicate at pressures to 0.5 GPa investigated by NMR spectroscopy 209 (1997) 299
Buzaré, J.Y., see Boussard-Plédel, C. 209 (1997) 247

Cerqua-Richardson, K., see Hach, C.T. 209 (1997) 159
Chang, M.-Y., see Shiu, F.-M. 209 (1997) 61
Chen, M.-H., see Shiu, F.-M. 209 (1997) 61
Chuang, I.-S., see Yang, J.J. 209 (1997) 19
Claußen, O. and C. Rüssel, Thermodynamics of various polyvalent main group elements in a borosilicate glass melt 209 (1997) 292
Cros, B., E. Gat and J.M. Saurel, Characterization of the elastic properties of amorphous silicon carbide thin films by acoustic microscopy 209 (1997) 273

Della Volpe, C., S. Dirè and E. Pagani, A comparative analysis of surface structure and surface tension of hybrid silica films 209 (1997) 51
Deubener, J. and R. Brückner, Influence of nucleation and crystallisation on the rheological properties of lithium disilicate melt 209 (1997) 96
Deubener, J., see Brückner, R. 209 (1997) 283
Dirè, S., see Della Volpe, C. 209 (1997) 51
Dobreva, A., I. Gutzow and J. Schmelzer, Stress and time dependence of relaxation and the Kohlrausch stretched exponent formula 209 (1997) 257
Doupovec, J., see Mikloš, P. 209 (1997) 137

Efimov, A.M., IR fundamental spectra and structure of pyrophosphate glasses along the $2ZnO \cdot P_2O_5$–$2Me_2O \cdot P_2O_5$ join (Me being Na and Li) 209 (1997) 209
El-Nahhal, I.M., see Yang, J.J. 209 (1997) 19
Emery, J., see Boussard-Plédel, C. 209 (1997) 247

Fantini, M.C.A., see Zeballos-Velásquez, E.L. 209 (1997) 175
Fonteneau, G., see Boussard-Plédel, C. 209 (1997) 247
Fujii, H., see Oota, M. 209 (1997) 69

Gat, E., see Cros, B. 209 (1997) 273
Gutzow, I., see Dobreva, A. 209 (1997) 257

Hach, C.T., K. Cerqua-Richardson, J.R. Varner and W.C. LaCourse, Density and microhardness of As–Se glasses and glass fibers 209 (1997) 159
Hirao, K., see Qiu, J. 209 (1997) 200
Hirao, K., see Zeng, H.C. 209 (1997) 112

Inderbir,, see Mehra, R.M. 209 (1997) 188
Iwabuchi, Y., see Qiu, J. 209 (1997) 200

Jacob, W., see Annen, A. 209 (1997) 240
Jasmina,, see Mehra, R.M. 209 (1997) 188
Jeng, Y.-J., see Shiu, F.-M. 209 (1997) 61
Jimenez-Garay, R., see Zotov, N. 209 (1997) 149

Kanamori, T., see Oota, M. 209 (1997) 69
Kaung, P., see Kubuki, S. 209 (1997) 87
Kawasaki, T., see Oota, M. 209 (1997) 69
Kitamura, S., see Oota, M. 209 (1997) 69
Komatsu, T. and K. Shioya, Role of Te valence on phases crystallized in K_2O–Nb_2O_5–TeO_2 glasses 209 (1997) 305
Kubuki, S., T. Nishida, P. Kaung, T. Yagi and Y. Maeda, Application of the IR transmission method and the Mössbauer effect to the crystallization of calcium gallate glass 209 (1997) 87

LaCourse, W.C., see Hach, C.T. 209 (1997) 159
Lee, C.-H., see Yoon, J.-H. 209 (1997) 193
Le Floch, M., see Boussard-Plédel, C. 209 (1997) 247
Lin, C.-C., see Wu, H.-F. 209 (1997) 76
Lucas, J., see Boussard-Plédel, C. 209 (1997) 247

Maciel, G.E., see Yang, J.J. 209 (1997) 19
Maeda, M., see Abe, Y. 209 (1997) 204
Maeda, Y., see Kubuki, S. 209 (1997) 87
Manabe, C., see Oota, M. 209 (1997) 69
Margaça, F.M.A., I.M. Miranda Salvado and J. Teixeira, SANS of $ZrO_2 \cdot SiO_2$ gels 209 (1997) 143
Mathur, P.C., see Mehra, R.M. 209 (1997) 188
Mehra, R.M., Inderbir, Jasmina and P.C. Mathur, Tailoring refractive index of a-Si:H by TBP ($C_4H_{11}P$) doping 209 (1997) 188
Meyer, K., Characterization of the structure of binary zinc ultraphosphate glasses by infrared and Raman spectroscopy 209 (1997) 227
Mikloš, P., V. Olah and J. Doupovec, Surface effect on dielectric properties of semiconducting glasses 209 (1997) 137
Miranda Salvado, I.M., see Margaça, F.M.A. 209 (1997) 143

Nachtegaal, G., see Burkhard, D.J.M. 209 (1997) 299
Nishida, T., see Kubuki, S. 209 (1997) 87
Nogami, M., see Abe, Y. 209 (1997) 204

Olah, V., see Mikloš, P. 209 (1997) 137
Oota, M., T. Kanamori, S. Kitamura, H. Fujii, T. Kawasaki, K. Sekine and C. Manabe, Decrease of silicon defects in oxynitride glass 209 (1997) 69

Pagani, E., see Della Volpe, C. 209 (1997) 51
Pajonk, G.M., A. Venkateswara Rao, B.M. Sawant and N.N. Parvathy, Dependence of monolithicity and physical properties of TMOS silica aerogels on gel aging and drying conditions 209 (1997) 40
Parvathy, N.N., see Pajonk, G.M. 209 (1997) 40
Perng, J.-H., see Shiu, F.-M. 209 (1997) 61
Poulain, M., see Bobe, J.M. 209 (1997) 122

Qiu, J., N. Sugimoto, Y. Iwabuchi and K. Hirao, Photostimulated luminescence in Ce^{3+}-doped silicate glasses 209 (1997) 200

Reau, J.M., see Bobe, J.M. 209 (1997) 122
Rüssel, C., see Claußen, O. 209 (1997) 292

Saurel, J.M., see Cros, B. 209 (1997) 273
Sawant, B.M., see Pajonk, G.M. 209 (1997) 40
Schmelzer, J., see Dobreva, A. 209 (1997) 257
Sekine, K., see Oota, M. 209 (1997) 69
Senegas, J., see Bobe, J.M. 209 (1997) 122
Shao, J., see Boussard-Plédel, C. 209 (1997) 247
Shen, P., see Wu, H.-F. 209 (1997) 76
Shioya, K., see Komatsu, T. 209 (1997) 305
Shiu, F.-M., M.-H. Chen, R.-F. Tang, Y.-J. Jeng, M.-Y. Chang and J.-H. Perng, Luminescence study of quinine and its derivatives in the sol–gel system 209 (1997) 61
Sinbandhit, S., see Boussard-Plédel, C. 209 (1997) 247
Soga, N., see Zeng, H.C. 209 (1997) 112
Sugimoto, N., see Qiu, J. 209 (1997) 200

Tanaka, K., see Zeng, H.C. 209 (1997) 112
Tang, R.-F., see Shiu, F.-M. 209 (1997) 61
Teixeira, J., see Margaça, F.M.A. 209 (1997) 143
Tomozawa, M., see Agarwal, A. 209 (1997) 166
Tomozawa, M., see Agarwal, A. 209 (1997) 264

Varner, J.R., see Hach, C.T. 209 (1997) 159
Venkateswara Rao, A., see Pajonk, G.M. 209 (1997) 40

Wu, H.-F., C.-C. Lin and P. Shen, Structure and dissolution of CaO–ZrO_2–TiO_2–Al_2O_3–B_2O_3–SiO_2 glass (II) 209 (1997) 76

Yagi, T., see Kubuki, S. 209 (1997) 87
Yang, J.J., I.M. El-Nahhal, I.-S. Chuang and G.E. Maciel, Synthesis and solid-state NMR structural characterization of polysiloxane. -immobilized amine ligands and their metal complexes 209 (1997) 19
Yoon, J.-H. and C.-H. Lee, Saturation of the metastable defect density in amorphous silicon semiconductor 209 (1997) 193

Zeballos-Velásquez, E.L. and M.C.A. Fantini, Small angle X-ray diffraction study of a-Si:H/a-Ge:H multilayers: reflectivity modeling and thermal stability 209 (1997) 175
Zeng, H.C., K. Tanaka, K. Hirao and N. Soga, Crystallization and glass formation in $50Li_2O \cdot 50Nb_2O_5$ and $25Li_2O \cdot 25Nb_2O_5 \cdot 50SiO_2$ 209 (1997) 112
Zotov, N., F. Bellido and R. Jimenez-Garay, Structure of Ag–As–Se glasses with high silver content X-ray diffraction and reverse Monte Carlo simulations 209 (1997) 149

ELSEVIER

Journal of Non-Crystalline Solids 209 (1997) 311–313

JOURNAL OF NON-CRYSTALLINE SOLIDS

Subject index

Acoustic Properties
Silicon Carbide, Thin Films 209 (1997) 273

Alkali Silicate Glasses
Crystallization, Liquids, Stress Measurement, Viscosity 209 (1997) 96
Nuclear Magnetic Resonance, Pressure Effects 209 (1997) 299

Alloys
Germanium, Silicon, Small Angle X-ray Scattering 209 (1997) 175

Boron
Fluorides, Modelling 209 (1997) 247
Processing Variables 209 (1997) 240

Borosilicates
Thermodynamics 209 (1997) 292

Chalcogenides
Monte Carlo Simulations, Structure, X-ray Diffraction 209 (1997) 149

Chalcogenide Glasses
Density, Fibers, Hardness 209 (1997) 159

Crystallization
Alkali Silicate Glasses, Liquids, Stress Measurement, Viscosity 209 (1997) 96
Field Effect 209 (1997) 112
Infra-red Absorption, Mössbauer Effect, Oxides 209 (1997) 87
Orientational Glasses, X-ray Diffraction 209 (1997) 305

Defects
Photoinduced Effects, Silicon 209 (1997) 193

Density
Chalcogenide Glasses, Fibers, Hardness 209 (1997) 159
Etching, Fictive Temperature, Pressure-Induced Structural Transformation, Silica 209 (1997) 166
Porosity, Processing Variables, Sol–Gel Processes 209 (1997) 40

Dielectric Properties
Electrical Properties, Modelling, Semiconductors 209 (1997) 137

Diffusion
Hydrogen in Glass, Mobility 209 (1997) 204

Doping
Optical Properties, Silicon, Thin Films 209 (1997) 188

Electrical Properties
Dielectric Properties, Modelling, Semiconductors 209 (1997) 137
Fluoride Glasses 209 (1997) 122

Etching
Density, Fictive Temperature, Pressure-Induced Structural Transformation, Silica 209 (1997) 166

Fibers
Chalcogenide Glasses, Density, Hardness 209 (1997) 159

Fictive Temperature
Density, Etching, Pressure-Induced Structural Transformation, Silica 209 (1997) 166

Field Effect
Crystallization 209 (1997) 112

Fluorides
Boron, Modelling 209 (1997) 247

Fluoride Glasses
Electrical Properties 209 (1997) 122

Germanium
Alloys, Silicon, Small Angle X-ray Scattering 209 (1997) 175

Hardness
Chalcogenide Glasses, Density, Fibers 209 (1997) 159

Hydrogen in Glass
Diffusion, Mobility 209 (1997) 204

Infra-red Absorption
Crystallization, Mössbauer Effect, Oxides 209 (1997) 87
Phosphates, Raman Spectra, Structure 209 (1997) 209
Phosphates, Raman Spectra 209 (1997) 227

Kinetics
Modelling, Relaxation, Stress Relaxation 209 (1997) 257
Silica, Structural Relaxation, Surface Properties 209 (1997) 264

Liquids
Alkali Silicate Glasses, Crystallization, Stress Measurement, Viscosity 209 (1997) 96
Phase Transition, Viscosity 209 (1997) 283

Luminescence
Organic–Inorganic Hybrids, Sol–Gel Processes 209 (1997) 61

Mobility
Diffusion, Hydrogen in Glass 209 (1997) 204

Modelling
Boron, Fluorides 209 (1997) 247
Dielectric Properties, Electrical Properties, Semiconductors 209 (1997) 137
Kinetics, Relaxation, Stress Relaxation 209 (1997) 257

Monte Carlo Simulations
Chalcogenides, Structure, X-ray Diffraction 209 (1997) 149

Mössbauer Effect
Crystallization, Infra-red Absorption, Oxides 209 (1997) 87

Nitrogen-Containing Glass
Processing Variables, Thermodynamics 209 (1997) 69

Nuclear Magnetic Resonance
Alkali Silicate Glasses, Pressure Effects 209 (1997) 299
Sol–Gel Processes, Structure 209 (1997) 19

Optical Properties
Doping, Silicon, Thin Films 209 (1997) 188

Organic–Inorganic Hybrids
Luminescence, Sol–Gel Processes 209 (1997) 61
Sol–Gel Processes, Surface Tension 209 (1997) 51

Orientational Glasses
Crystallization, X-ray Diffraction 209 (1997) 305

Oxides
Crystallization, Infra-red Absorption, Mössbauer Effect 209 (1997) 87
Reactions, Solutions 209 (1997) 76

Phase Transition
Liquids, Viscosity 209 (1997) 283

Phosphates
Infra-red Absorption, Raman Spectra, Structure 209 (1997) 209
Infra-red Absorption, Raman Spectra 209 (1997) 227

Photoinduced Effects
Defects, Silicon 209 (1997) 193
Rare Earth Ions, Silicates 209 (1997) 200

Porosity
Density, Processing Variables, Sol–Gel Processes 209 (1997) 40

Pressure Effects
Alkali Silicate Glasses, Nuclear Magnetic Resonance 209 (1997) 299

Pressure-Induced Structural Transformation
Density, Etching, Fictive Temperature, Silica 209 (1997) 166

Processing Variables
Boron 209 (1997) 240
Density, Porosity, Sol–Gel Processes 209 (1997) 40
Nitrogen-Containing Glass, Thermodynamics 209 (1997) 69

Raman Spectra
Infra-red Absorption, Phosphates, Structure 209 (1997) 209
Infra-red Absorption, Phosphates 209 (1997) 227

Rare Earth Ions
Photoinduced Effects, Silicates 209 (1997) 200

Reactions
Oxides, Solutions 209 (1997) 76

Relaxation
Kinetics, Modelling, Stress Relaxation 209 (1997) 257

Semiconductors
Dielectric Properties, Electrical Properties, Modelling 209 (1997) 137

Silica
Density, Etching, Fictive Temperature, Pressure-Induced Structural Transformation 209 (1997) 166
Kinetics, Structural Relaxation, Surface Properties 209 (1997) 264

Silicates
Photoinduced Effects, Rare Earth Ions 209 (1997) 200

Silicon
Alloys, Germanium, Small Angle X-ray Scattering 209 (1997) 175
Defects, Photoinduced Effects 209 (1997) 193
Doping, Optical Properties, Thin Films 209 (1997) 188

Silicon Carbide
Acoustic Properties, Thin Films 209 (1997) 273

Small Angle Neutron Scattering
Structure 209 (1997) 143

Small Angle X-ray Scattering
Alloys, Germanium, Silicon 209 (1997) 175

Sol–Gel Processes
Density, Porosity, Processing Variables 209 (1997) 40
Luminescence, Organic–Inorganic Hybrids 209 (1997) 61
Nuclear Magnetic Resonance, Structure 209 (1997) 19
Organic–Inorganic Hybrids, Surface Tension 209 (1997) 51

Solutions
Oxides, Reactions 209 (1997) 76

Stress Measurement
Alkali Silicate Glasses, Crystallization, Liquids, Viscosity 209 (1997) 96

Stress Relaxation
Kinetics, Modelling, Relaxation 209 (1997) 257

Structural Relaxation
Kinetics, Silica, Surface Properties 209 (1997) 264

Structure
Chalcogenides, Monte Carlo Simulations, X-ray Diffraction 209 (1997) 149
Infra-red Absorption, Phosphates, Raman Spectra 209 (1997) 209
Nuclear Magnetic Resonance, Sol–Gel Processes 209 (1997) 19
Small Angle Neutron Scattering 209 (1997) 143

Surface Analysis
Surface Properties, Surface Reactions 209 (1997) 1

Surface Properties
Kinetics, Silica, Structural Relaxation 209 (1997) 264
Surface Analysis, Surface Reactions 209 (1997) 1

Surface Reactions
Surface Analysis, Surface Properties 209 (1997) 1

Surface Tension
Organic–Inorganic Hybrids, Sol–Gel Processes 209 (1997) 51

Thermodynamics
Borosilicates 209 (1997) 292
Nitrogen-Containing Glass, Processing Variables 209 (1997) 69

Thin Films
Acoustic Properties, Silicon Carbide 209 (1997) 273
Doping, Optical Properties, Silicon 209 (1997) 188

Viscosity
Alkali Silicate Glasses, Crystallization, Liquids, Stress Measurement 209 (1997) 96
Liquids, Phase Transition 209 (1997) 283

X-ray Diffraction
Chalcogenides, Monte Carlo Simulations, Structure 209 (1997) 149
Crystallization, Orientational Glasses 209 (1997) 305